## Application for reissue of U.S. Patent No. 5,218,561, granted June 8, 1993

Title: FAST CALCULATION APPARATUS FOR CARRYING OUT A FORWARD AND AN INVERSE TRANSFORM Inventor(s): Masahiro IWADARE

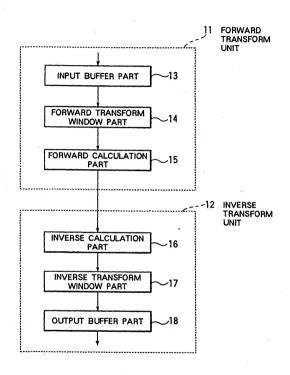


FIG. | PRIOR ART

Title: FAST CALCULATION APPARATUS FOR CARRYING OUT A FORWARD AND AN INVERSE TRANSFORM

Inventor(s): Masahiro IWADARE

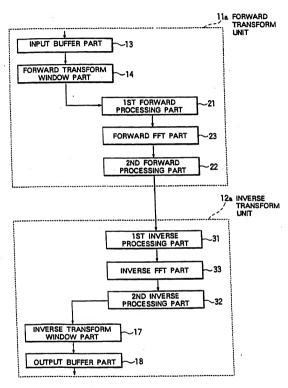


FIG. 2

Title: FAST CALCULATION APPARATUS FOR CARRYING OUT A FORWARD AND AN INVERSE TRANSFORM Inventor(s): Masahiro IWADARE

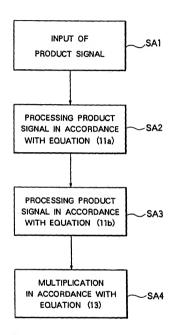


FIG. 3

## Title: FAST CALCULATION APPARATUS FOR CARRYING OUT A FORWARD AND AN INVERSE TRANSFORM Inventor(s): Masahiro (WADARE

--- la FORWARD TRANSFORM INPUT BUFFER PART UNIT FORWARD TRANSFORM 21 1ST FORWARD WINDOW PART PROCESSING PART SUBTRACTING PART MULTIPLYING PART FORWARD FFT PART 2ND FORWARD PROCESSING PART 12a INVERSE TRANSFORM UNIT **1ST INVERSE** PROCESSING PART INVERSE FFT PART 2ND INVERSE PROCESSING PART INVERSE TRANSFORM WINDOW PART OUTPUT BUFFER PART

FIG. 4

Title: FAST CALCULATION APPARATUS FOR CARRYING OUT A FORWARD AND AN INVERSE TRANSFORM

Inventor(s): Masahiro IWADARE

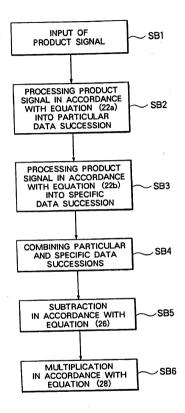


FIG. 5

Title: FAST CALCULATION APPARATUS FOR CARRYING OUT A FORWARD AND AN INVERSE TRANSFORM Inventor(s): Masshiro IWADARE

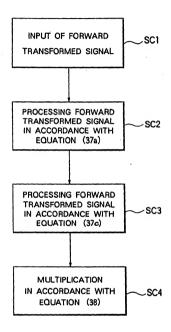


FIG. 6

Application for reissue of U.S. Patent No. 5,218,561, granted June 8, 1993

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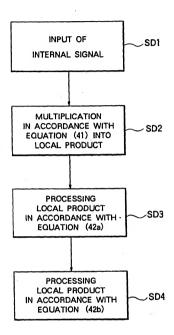


FIG. 7